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Canadian Tourism Satellite Account, 2004

This paper highlights the Canadian Tourism Satellite Account (CTSA) developed by Statistics Canada. The CTSA provides an economic measure of the importance of tourism in terms of expenditures, Gross Domestic Product and employment for Canada. It permits a comparison of tourism with other industries within Canada since the concepts and methods used are based on the framework of the Canadian System of National Accounts. The study revealed that tourism is an important part of Canada's well diversified economy. This paper presents the results of the CTSA for reference year 2004.

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Symbols

The following standard symbols are used in Statistics Canada publications:

. not available for any reference period
.. not available for a specific reference period
... not applicable
0 true zero or a value rounded to zero
0^{s} value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
^{p} preliminary
^{r} revised
x suppressed to meet the confidentiality requirements of the *Statistics Act*
^{E} use with caution
F too unreliable to be published

Executive summary

- Tourism contributed 2.0% of Canada's gross domestic product (GDP) in 2004. Tourism GDP at basic prices reached $23.9 billion up 2.5% from 2002.
- Tourism contributed 3.8% of total employment and generated 610,600 jobs in 2004. This was almost unchanged (down 0.1%) from 2002.
- Tourism demand in Canada was $58.6 billion in 2004, up 3.7% from 2002.
- Non-residents accounted for $17.5 billion of tourism spending in Canada, down 3.2% from 2002.
- In 2004, over two-thirds of tourism spending in Canada was by Canadians ($41.1 billion). This was up 6.9% from 2002.
- Canadians spent $23.8 billion on tourism abroad, up 15.2% from 2002.
- In 2004, Canadians spent more on tourism outside Canada than foreigners spent in Canada. The tourism trade deficit increased to $6.2 billion from $2.5 billion in 2002.

Canadian Tourism Satellite Account, 2004

Introduction

The Tourism Satellite Account (TSA) has become the internationally accepted framework by which to measure tourism activity in an economy. The Canadian TSA (CTSA) follows the international guidelines adopted by the United Nations Statistical Commission[1] and is rooted in the Canadian System of National Accounts (CSNA).

As such, the CTSA provides measures of the economic importance of tourism in terms of expenditures, gross domestic product and employment which are comparable with similar measures from CSNA for the overall Canadian economy. It also permits a comparison with other industries in terms of output, and such things as employment.

The CTSA provides a coherent framework within which to integrate and analyse economic statistics relevant to tourism, both on the supply (i.e., industry) side and on the demand (i.e., tourist) side. It also defines what are considered to be the tourism commodities and the tourism industries, and consequently has helped to shape the development of tourism statistics in Canada.

Last, the CTSA serves as the foundation for a variety of related statistical products including (i) the National Tourism Indicators, which provide timely quarterly macroeconomic information on the state of tourism in Canada, (ii) the Tourism Human Resource Module which provides detailed annual information on jobs and employment in the tourism industries, and (iii) studies on the government revenue that can be attributed to tourism.

This report presents the CTSA for the reference year 2004, incorporating the final Input-Output data for that year. Detailed tables for the year 2004, as well as a brief description of concepts, definitions, sources and methods are included in the appendix.

Tourism grew from 2002 to 2004

Tourism gross domestic product (GDP)[2] reached $23.9 billion in 2004, up 2.5% from 2002. This is equal to 2.0% of economy-wide GDP in that year. Tourism expenditures climbed to $58.6 billion in 2004, a 3.7% increase from their level in 2002. The number of jobs in the Canadian economy grew 3.9% over this period, whereas tourism jobs remained fairly steady at 610,600.

1. See *Tourism Satellite Account – Recommended Methodological Framework*. Organisation for Economic Co-operation and Development, the Statistical Office of the European Community, the United Nations and the World Tourism Organisation, May 2001.
2. All references to GDP are at "basic prices" (see Appendix A). All growth rates of dollar denominated series are in nominal terms.

Table 1 Tourism gross domestic product by industry, Canada

	Tourism gross domestic product		Growth	Distribution	
	2002	2004		2002	2004
	millions of dollars			percentage	
Transportation	5,526	5,123	-7.3	23.7	21.4
Accommodation	5,708	5,894	3.3	24.5	24.7
Food and beverage services	2,898	3,035	4.7	12.4	12.7
Other tourism industries[1]	3,786	3,946	4.2	16.2	16.5
Total tourism industries	17,919	17,998	0.4	76.8	75.3
Other industries[2]	5,400	5,910	9.4	23.2	24.7
Total tourism gross domestic product	**23,319**	**23,908**	**2.5**	**100.0**	**100.0**

1. Includes recreation and entertainment services and travel services industries.

2. Includes non-tourism industries that produce some commodities bought by tourists including groceries, alcoholic beverages from stores, motor vehicle parts and repair, motor vehicle fuel, toiletries etc.

Air transportation industry weakness continues

The profits of Canada's air transportation industry were lower in 2004, compared with 2002. Increasing demand for low-cost travel, declining demand for premium business travel, increased security and insurance costs in the aftermath of 9/11 as well as the volatility in fuel prices all affected the industry's bottom line. The airline industry was also going through a restructuring in 2004.

Tourism GDP for air transportation, at $2.7 billion, tumbled 13.7% from its level in 2002. This led, in turn, to a 7.3% drop in tourism GDP for the transportation industry overall. Tourism employment in the air transportation industry decreased 7.5% from 2002.

Air transportation's share of tourism GDP in transportation shrank almost 4 percentage points to 52.0%, while its share of tourism jobs fell 1 percentage point to 63.8%. At the same time, the share of tourism spending on passenger air transportation dropped three percentage points to 51.9% of the total for transportation.

Tourism employment edged down

Tourism contributed 3.8% of all jobs in Canada in 2004, accounting for 610,600 jobs. This was down marginally (-0.1%) from 2002. Tourism provided the most jobs to the accommodation industry (161,600) with the food and beverage services industry a close second (145,300). About 20% of tourism jobs were in non-tourism industries. Tourism accounted for 120,500 jobs in these industries, mostly in retail, manufacturing, and wholesale trade. Between 2002 and 2004 tourism employment in transportation fell 5.9% to 73,300 jobs, as a result of job losses and restructuring in the airline industry.

Table 2 Tourism employment by industry, Canada

	Tourism employment		Growth	Distribution	
	2002	2004		2002	2004
	thousands of jobs			percentage	
Transportation	77.9	73.3	-5.9	12.8	12.0
Accommodation	160.5	161.6	0.7	26.3	26.5
Food and beverage services	144.7	145.3	0.4	23.7	23.8
Other tourism industries[1]	107.3	110.0	2.5	17.6	18.0
Total tourism industries	490.3	490.1	0.0	80.2	80.3
Other industries[2]	120.8	120.5	-0.2	19.8	19.7
Total tourism employment	**611.1**	**610.6**	**-0.1**	**100.0**	**100.0**

1. Includes recreation and entertainment services and travel services industries.

2. Includes non-tourism industries that produce some commodities bought by tourists including groceries, alcoholic beverages from stores, motor vehicle parts and repair, motor vehicle fuel, toiletries etc.

Tourism spending in Canada rose

Tourism demand in Canada reached $58.6 billion in 2004, up 3.7% from 2002. Transportation recorded the largest share of spending, at $20.9 billion or 35.6% of the total. Spending by Canadians and non-residents travelling in Canada on non-tourism commodities (clothing, footwear, souvenirs, groceries, alcoholic beverages purchased at retail, etc.) decreased slightly by 1.4%. At 16.7%, other tourism commodities (composed of recreation and entertainment, travel agency services and pre-trip expenses) had the third largest share of tourism expenditures in 2004. Accommodation spending increased 1.9% from its level in 2002 to reach $9.2 billion, 15.6% of the total in 2004.

Table 3 Tourism spending by commodity, Canada

	Tourism spending		Growth	Distribution	
	2002	2004		2002	2004
	millions of dollars			percentage	
Passenger transportation	19,553	20,874	6.8	34.6	35.6
of which:					
passenger air transportation	10,761	10,841	0.7	19.0	18.5
use of private vehicle	5,741	6,863	19.6	10.1	11.7
Accommodation	8,998	9,173	1.9	15.9	15.6
Food and beverage services	8,550	8,895	4.0	15.1	15.2
Other tourism commodities[1]	9,434	9,805	3.9	16.7	16.7
Total tourism commodities	46,535	48,747	4.8	82.3	83.1
Other spending[2]	10,025	9,881	-1.4	17.7	16.9
Total tourism expenditures	**56,560**	**58,629**	**3.7**	**100.0**	**100.0**

1. Includes spending on recreation and entertainment, travel services and pre-trip expenses.

2. Includes spending by tourists on non-tourism goods and services (groceries, alcoholic beverages purchased at retail, souvenirs, local public transportation, parking, etc.).

Table 4 **Tourism demand in Canada**

	Tourism spending		Growth	Distribution	
	2002	2004		2002	2004
	millions of dollars			percentage	
Domestic demand	38,444	41,091	6.9	68.0	70.1
of which:					
Canadians travelling in Canada	32,928	35,512	7.8	58.2	60.6
Canadians travelling abroad[1]	5,516	5,579	1.1	9.8	9.5
International demand	18,116	17,538	-3.2	32.0	29.9
Total tourism demand	**56,560**	**58,629**	**3.7**	**100.0**	**100.0**

1. Includes non-fare spending by Canadians in Canada on a Canadian leg of an international trip as well as any fares paid if this international trip uses a Canadian carrier.

Domestic demand comprised two-thirds of tourism spending

Over two-thirds of tourism spending in 2004 was attributable to domestic demand, slightly higher than in 2002. In 2004, Canadians made 175.1 million trips in Canada (153.5 million intra-provincial trips and 21.6 million inter-provincial trips). Canadians spent $41.1 billion on tourism in Canada, up 6.9% from 2002. This includes any non-fare spending by Canadians in Canada on a Canadian leg of an international trip as well as any fares paid if this international trip uses a Canadian carrier.[3] In 2004, 9.5% of tourism demand was attributable to Canadians travelling on an international trip. In 2004, non-residents made over 38.8 million trips to Canada. Non-residents accounted for $17.5 billion of tourism spending in Canada, down 3.2% from 2002.

Tourism imports increased

In 2004, Canadian residents made 41.8 million trips outside the country, the first increase since 2000. Canadians travelling abroad spent $23.8 billion, up 15.2% from 2002. Canadians spent more travelling outside Canada than foreigners spent in Canada. The tourism trade deficit was $6.2 billion, a deterioration from a deficit of $2.5 billion in 2002. This is the largest tourism trade deficit seen since the 1992 CTSA. The tourism trade balance compares the amount Canadians spent abroad on tourism against what non-residents spent in Canada.

Tourism contribution to tourism industries

Travel services are the most reliant on tourism insofar as 91.6% of the industry's economic activity comes from tourism. Other industries most affected are air transportation and accommodation. For air transportation, tourism accounted for 78.4% of the industry's GDP. It accounted for 65.6% of the economic activity of the accommodation industry. These shares may appear low, however, the air transportation industry includes freight services while the accommodation industry includes meals and alcohol served to local residents (non-tourists), which reduce the share due to tourism. The food and beverage industry with a 17.0% share of tourism GDP is the least reliant on tourism among the major tourism industries.

Tourism's contribution to "non-tourism industries"

Various industries not identified as "tourism industries" produce goods and services that are purchased by tourists (i.e., groceries, souvenirs and other retail goods). In 2004, tourists spent $9.9 billion buying such goods and services (more than was spent on accommodation). This was down 1.4% from 2004.

In 2004, these "other industries" accounted for 24.7% of tourism GDP, up from 2002. Tourism generated 120,500 jobs in these industries.

3. Fares paid by Canadians for international trips made using Canadian carriers are payments for a service that is produced domestically, and therefore are included in domestic demand.

Conclusion

The CTSA measures the impact of tourism in the Canadian economy. It shows that in 2004 tourism continued to be an important part of the Canadian economy both in terms of output (GDP) and employment. Tourism also benefited "non-tourism" industries, such as retail trade.

The CTSA also provides the detailed industry and commodity benchmarks that are incorporated now on a regular, biennial basis in the National Tourism Indicators (NTI). In addition, it provides the detailed tourism commodity and industry ratios that are applied in the Human Resource Module (HRM) as well as in the study on government revenue attributable to tourism. The results from the CTSA 2004 will be incorporated in the NTI and the study on government revenue, and in the HRM.

This is the last CTSA based on the CTS. The next update of the CTSA, for reference year 2006, will be based on the new domestic travel survey, Travel Survey of Residents of Canada (TSRC) and the new definition of tourism. As well several refinements will be made to better align with the recently revised international guidelines as outlined in the ***Tourism Satellite Account: Recommended Methodological Framework 2008*** (TSA:RMF 2008).[4] The next update will put the CTSA and its spin-offs (the National Tourism Indicators, the Human Resource Module of the TSA, and the module on government revenue attributable to tourism) on a comparable footing with the new data published from the TSRC.

4. See *Tourism Satellite Account – Recommended Methodological Framework 2008*, Organisation for Economic Co-operation and Development, the Statistical Office of the European Community, the United Nations and the World Tourism Organisation, 2008.

Appendix A Concepts and definitions used in the Canadian Tourism Satellite Account[5]

Concepts

The Canadian Tourism Satellite Account (CTSA) is based on the accounting principles of the System National Accounts. This internationally recognised system is an integrated framework of statistics that allows for the measurement of a country's economic production. It outlines the structure of the economy and the contribution of each industry.

Satellite accounts, such as the CTSA, have the structure and principles of the national accounts but are developed as an extension to the national accounts system - thus the name "satellite". The subject matter of the satellite account usually cannot be explicitly found in the core account and thus a special calculation is required. Satellite accounts tend to focus on specific aspects, be it social or economic, such as tourism, transportation, or environment. Their presentation and adherence to national accounting principles allows an analyst to compare the satellite account (or area of interest) with the entire economy as measured by the SNA. With the Tourism Satellite Account, one can therefore answer the question, how important is tourism in Canada.

For the Tourism Satellite Account, the Input-Output (I-O) tables in the Canadian System of National Accounts (CSNA) are particularly important. These tables measure and analyse productive activity in the economy focusing on the producers and purchasers of commodities within the various industries. They show the total output and use of commodities by industries, as well as the primary costs (or inputs) associated with production of the commodities. However, tourism is not an industry identified within the CSNA, as it is dependent on the consumer's purchases as a tourist, rather than on the production of certain goods and services. Constructing the CTSA, therefore, requires splitting industries into their tourism and non-tourism components. By aggregating the value added for the each tourism component, tourism GDP may be calculated.

Definitions

At the core of the TSA is the definition of **tourism**, which is defined internationally as: "the activities of persons travelling to and staying in places outside their usual environment for not more than one consecutive year for leisure, business and other purposes not related to the exercise of an activity remunerated from within the place visited".[6] It includes travel for business, leisure and other personal reasons, such as visiting friends and relatives, religious purposes, or medical treatment.

The concept of **usual environment** relates to the place where the individual lives and works or studies and includes any other places frequented. This notion is not precisely defined in the international standard, thereby allowing a country to apply the tourism concept to its own specifications. For operational purposes, Canada has defined the concept of "outside the usual environment" as greater than 80 kilometres one way from home.[7] Crossing an international border, however, is considered tourism no matter the distance travelled.

In the TSA, people who are engaged in tourism are called **visitors**. Those who stay one or more nights away from home are called tourists, while those who spend no nights away from home are called same-day visitors. In the CTSA, the term **tourist** is used to denote all visitors, whether they are same-day or overnight visitors.

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5. In this appendix, a brief description of the concepts and definition is presented. A comprehensive discussion of concepts, definitions, classifications as well as data sources and methods used to compile the CTSA is presented in the *Canadian Tourism Satellite Account Handbook*, catalogue 13-604, no.52, December 2007.

6. See *Tourism Satellite Account – Recommended Methodological Framework*, Organisation for Economic Co-operation and Development, Statistical Office of the European Communities, the United Nations and World Tourism Organization, May 2001, para. 2.1, p. 13.

7. The operational definition of tourism has changed since the reference year 2002. Beginning in 2005, the Canadian Travel Survey was replaced by the Travel Survey of Residents of Canada (TSRC). A major difference is in the operational definition of tourism. In the TSRC, tourism is defined as same-day trips that are "out of town" and forty kilometers or more one way from home and all overnight trips that are "out of town". Exceptions concerning travel to work for education, for military purposes and migration remain. Routine trips (i.e., those that are made at least once a month) are now excluded from tourism, in order to better reflect the notion of usual environment. A more detailed explanation of the differences between the CTS and the TSRC is available in the documentation for the TSRC available at Statistics Canada's website www.statcan.gc.ca.

Tourism demand is defined as total spending by tourists on domestically produced commodities. This includes all spending by same-day and overnight visitors, Canadian and non-resident. Total tourism demand can be split into two components domestic demand, and international demand. **Domestic demand** includes the expenditures associated with tourism activity within Canada by Canadian residents. **International demand**, also called **exports**, consists of the expenditures by non-residents in Canada on tourism. Business, government and personal tourism expenditures are included for all types of demand. The CTSA also calculates **international tourism imports** which are expenditures by Canadians outside Canada.

A **tourism commodity** is a good or service for which a significant part of its total demand comes from visitors. Thus, air passenger transportation would be a tourism commodity, while groceries, although occasionally bought by tourists, are considered a non-tourism commodity. As another example, meals from restaurants are deemed to be tourism commodities because a significant part of the demand comes from tourists, even though restaurants primarily serve local residents. In Canada, tourism commodities also include goods bought solely for the purpose of travel (e.g., motor homes, tent trailers and luggage). These so-called "pre-trip" expenses are included because the vast majority of spending on these items is in anticipation of taking tourism trips. These items may of course be used for non-tourism purposes as well, but these other uses are considered to be minimal. See Appendix C for the list of tourism commodities in the CTSA.

Tourism consists of a mix of industries and parts of industries and the various commodities they produce. An industry is a grouping of establishments that provide similar commodities to businesses and persons. A **tourism industry** is defined as one that would continue to exist only at a significantly reduced level of activity as a direct result of an absence of tourism. Some industries are included as tourism even though the majority of their output can be attributed to non-tourism. The food and beverage services and recreation and entertainment industries are examples. Such industries are included because without tourism, their level of activity would be significantly reduced. See Appendix D for the list of tourism industries in the CTSA.

Another important definition in the construction of the CTSA is that of **tourism supply**. This is the total production of the tourism commodities bought by tourists and non-tourists in Canada. Canadians also buy goods and services outside of Canada, but these are not included in tourism supply. In contrast to the I-O tables where the supply of a commodity always equals its demand, the supply of a tourism commodity usually exceeds tourism demand as defined in the CTSA. This is because tourism supply includes the total production of a tourism commodity whether it is purchased by a tourist or not. For example, 100 units of a tourism commodity (i.e., accommodation services) is produced within a given economy (i.e., total tourism supply of accommodation services =100). This tourism supply of accommodation services is available to be purchased both by tourists and non-tourists. If tourists purchase 90 units, tourism demand would equal 90 units and the commodity ratio (ratio of tourism demand to supply) for accommodation services would become 90% (90/100). The remaining 10% would be purchased by non-tourists.

The **tourism commodity ratio** is useful in identifying the proportion of a tourism commodity that is actually purchased by tourists. In this example, 90% of accommodation services are purchased by tourists. This ratio is also helpful in the data validation process especially in the reconciliation of demand and supply estimates, and in estimating the share of an industry's employment that is generated by tourism.

Tourism GDP is defined as the unduplicated value of production, within the boundaries of a region (i.e. Canada), of goods and services purchased by tourists. In the CTSA, tourism GDP is valued at basic prices, the same method of valuation as in the I-O tables of the CSNA. Only direct GDP, as opposed to indirect GDP, is measured. Indirect GDP refers to the upstream effects of economic activity (e.g., the manufacture of linens used in hotels). Although these indirect effects are important, they are beyond the scope of the CTSA which focuses on the GDP generated by the production of goods or services consumed directly by tourists. Indirect effects can however be calculated in economic impact models based on the CTSA. Tourism GDP is estimated using the sum of incomes (i.e., the returns to labour and capital from production) attributable to tourism. The components include wages and salaries, supplementary labour income, mixed income,other operating surplus (including profit and depreciation).

Tourism employment is a measure of the number of jobs in tourism and non-tourism industries held by the self-employed, employees and unpaid family workers. Tourism employment includes only jobs directly attributable to tourism. Thus, in the food and beverage services industry, only those jobs that are directly associated with tourism are counted in the CTSA as jobs generated by, or attributable to, tourism. On the other hand, jobs generated in agriculture to support production in the food and beverage services industry (i.e., indirect employment) are not included.[8]

8. It might be noted that the human resource dimension of the CTSA is limited as it focuses mainly on monetary aggregates associated with tourism supply and demand and the measurement of GDP. Thus, only the number of jobs and labour income directly attributable to tourism can be found in the CTSA. The human resource aspects of tourism are articulated in the Tourism Human Resource Module (HRM). See *Human Resource Module of the Tourism Satellite Account, 2007*, catalogue no. 13-604 no. 61, May 2009 for more details.

Appendix B Sources and methods for the Canadian Tourism Satellite Account[9]

Data sources

Several main data sources are used for the CTSA. Demand estimates are derived from two main sources, the Canadi n Travel Survey (CTS) and the International Travel Survey (ITS), both conducted by Statistics Canada. The CTS provides data for domestic business and personal tourism expenditure by province and territory. It also supplies information that identifies the reasons for visiting a region, the duration of stay and the activities undertaken while at the tourist location. The survey is a monthly supplement to the Labour Force Survey (LFS). The CTS provides totals for tourism expenditure, within a given region, as well as inter-provincially (inter-provincial exports and imports). The CTS, however, does not provide travel origin data for the territories, only travel destinations are available. Information from Statistics Canada's Survey of Household Spending (SHS) along with Input-Output supply data, are used to fill this gap. Estimates for pre-trip expenses, a portion of domestic demand, rely on the supply and disposition method using Input-Output data.

The ITS provides estimates for non-resident demand (separately for the US and other countries) within Canada as well as imports of tourism (Canadian spending abroad). This survey was initially conducted to provide data for Canada's Balance of Payments with other countries.

Estimates for tourism supply are derived from Statistics Canada's Input-Output tables; as are GDP and its components, labour income, mixed income and operating surplus. The Input-Output tables are constructed using several large matrices of data that record the inputs (what is needed to make a good or service) and output (the goods and services provided). The output table shows the supply of various commodities by industry and therefore tourism supply can be calculated using these data. The I-O tables also provide a matrix of value added or GDP. Employment data come from the Canadian Productivity Accounts of the CSNA. These Accounts provide information on employment following SNA principles and using I-O industries. At the aggregate level, the number of jobs in this database is benchmarked to the Labour Force Survey (LFS). The industry distribution of these jobs, however, is primarily based on information from the Survey of Employment, Payrolls and Hours, although other industry survey and administrative sources are used as well.

Methodology

The goal of the CTSA is to measure the economic activity of tourism, including tourism GDP, employment, demand and supply. To do this, the CTSA takes demand data from the travel surveys (i.e. the CTS and the ITS) and calculates its contribution to GDP and employment. However, the source data for tourism are dissimilar in that some are based on commodity detail while others are based on industry detail. That is, demand data from the CTS and ITS are built up using commodity details while GDP and employment data use industry breakdowns. Thus, a link needs to be made between commodities and industries. Supply, which can be calculated using either commodity or industry detail, is the linking factor between these variables. A demand/supply ratio, as discussed below, can be calculated for each commodity. This ratio is then moved into the industry framework so that tourism GDP and employment can be estimated using the information provided by the demand surveys.

Supply

The starting point for the calculation of supply is the I-O tables, which give a detailed accounting of all the industries in the economy and the commodities they supply. The first step is to discern the industries that supply tourism commodities to visitors (see appendix C for a complete list of tourism industries). However, the industry categories provided in the published Input-Output tables are not detailed enough for the CTSA.[10] For example, the I-O tables display industry estimates only for the total food and beverage industry. The CTSA needs to split this industry, using information from I-O detailed calculations, into sub-industries since some of these sub-industries

9. A summary of the sources and methods used in the CTSA is presented in this appendix. A comprehensive examination of data sources and methods used to compile the CTSA is presented in the *Canadian Tourism Satellite Account Handbook*, catalogue 13-604, no.52, December 2007.

10. Sometimes even at the Input-Output "W" or worksheet level (the most detailed level available for I-O data) the industry estimates are not detailed enough for use in the CTSA. In these cases, survey level data are used.

may not be included in the tourism account. For example, two sub-industries within the food and beverage industry are take-out food restaurants and caterers. Take-out food restaurants are considered a tourism industry and their supply is included in the estimate. Caterers are omitted since they are a non-tourism industry. Similarly, only tourism commodities remain in the calculation of total supply. In other words, only those commodities in the take-out food industry that are purchased by tourists are retained (e.g. meals) while non-tourism commodities are taken out (e.g. royalties).

After the tourism sub-industries and tourism commodities have been identified, supply shares are calculated. The supply shares are equal to a sub-industry's portion of the total output for a commodity within an industry. For example, if two sub-industries each provided one half of an industry's supply of meals, then the supply shares would equal 50% for these commodities for each sub-industry. These shares are used later to allocate demand by industry. It should be noted that taxes are added to all supply estimates obtained from the I-O tables to move the data from producer prices to purchaser prices, thereby matching the pricing used for the demand data.

Demand

The calculation for tourism demand in the CTSA begins with the survey data in the CTS and the ITS. The first step is to split the existing commodity detail provided in the surveys into the detail used in the I-O tables in order to allow appropriate demand / supply reconciliation. For some commodities, the existing survey data does provide appropriate detail. For example, information for the transportation commodities is sufficient to split these commodities into their I-O counterparts. For accommodation, information on nights spent in different types of accommodation is available from the survey and is used to split the commodities into the I-O classifications. Personal expenditure data from the National Income and Expenditure Accounts are used to split the remaining commodities into the I-O framework.

Once tourism demand is calculated using the same commodities as supply, supply shares are used to allocate the demand into sub-industries. As mentioned above, if 50% of meals is supplied by a sub-industry, this sub-industry is also allocated 50% of demand. After the demand data are distributed across industries, demand/supply ratios are calculated for each industry. These ratios are simply the total tourism demand of an industry divided by its total tourism supply. This ratio indicates what portion of an industry's output is attributed to tourism activity. Thus, if an industry demand / supply ratio equals 40%, this share of the industry's total output comes from tourism. These demand/supply ratios are later used to calculate tourism GDP and employment.

To increase the analytical usefulness of the data, demand is split into domestic demand and non-resident demand (international demand or exports) using information from the CTS and ITS. Data are also calculated for international imports. The availability of both export and import data allows for the calculation of the tourism trade balance.

Several additions are made to the survey data to provide a more complete estimate of tourism demand (see Table B1). The first of these additions is to include the non-fare spending by Canadians on the Canadian leg of a trip destined outside the country (domestic portion of international trips). This spending is not included in the published CTS estimates. For example, in the case of a person flying to New York from Winnipeg through Toronto, the spending associated with the Winnipeg to Toronto portion of the trip is added to the published survey data. The second addition is to include the fares paid by Canadians on international trips made using Canadian carriers (canadian fares of international trips). Since this service is produced domestically, it is included in domestic demand.

Another calculation is made to include the domestic tourism spending of territorial residents who are excluded from the CTS. Supply (revenue) data are available for all the tourism commodities in the territorial I-O tables. International demand is derived from the ITS and inter-provincial demand (i.e., spending by residents of the ten provinces who visit the territories) is derived from the CTS. Domestic demand for the territories is calculated using data from the SHS, which provides estimates of spending on tourism commodities such as accommodation and food and beverages.[11]

Table B1 Reconciliation of travel surveys and Canadian Tourism Satellite Account, tourism demand, Canada

	2004
	millions of dollars
Tourism expenditures as per Canadian Travel Survey and International Travel Survey	47,246
Domestic portion of international trips	423
Canadian fares of international trips	5,579
Domestic demand (territories)	159
Pre-trip expenditures	2,205
Travel agent commissions	1,843
Demand to supply reconciliation	1,175
Total adjustments	11,383
Total tourism demand (Canadian Tourism Satellite Account)	**58,629**

Pre-trip expenses or spending made by a traveller before a trip but for the sole purpose of travelling is another important addition made. These expenses include motor homes, travel and tent trailers, luggage and travel sets, tents and camping equipment and sleeping bags. The commodities included in pre-trip expenses were calculated using a supply and disposition method. Total exports of these goods were subtracted from total supply (including imports and items manufactured) of these items to obtain total disposition for Canada.

A special calculation is made in the CTSA for travel agency commissions which are not specifically identifiable in the travel surveys. This entails removing a fraction of the spending on various tourism commodities (e.g., air fares and hotel bills) and reallocating it to spending on services of travel agents. Essentially the demand for travel agency services is equated to the supply, as this commodity is used almost exclusively by tourists. The supply is just the commissions on travel arrangements and tour packages, which in I-O serve as the measure of output of the travel arrangements industry.

A final adjustment to the data arises from the demand/supply reconciliation. As commodities are reconciled between demand and supply, the tourism commodity ratio for a given commodity is examined. This ratio is at times considered too high or too low. This is particularly true for commodities for which little spending occurred. These issues were treated on a case-by-case basis. For example, suppose that after adding all relevant information for air transportation (information from the two travel surveys, the domestic portion of international trips, and the Canadian fares of international trips), total air transportation demand is 80% of total supply. The non-tourism exclusions to air travel demand could not account for this 20% difference. Therefore, the 80% total is adjusted upward to reflect a more realistic tourism commodity ratio for air transportation. In some cases, tourism demand can exceed supply for a given commodity. The supply and demand estimates are then examined to see which is of higher statistical quality and an adjustment is made based on this information.

Gross domestic product

Tourism GDP and its components, labour income, mixed income and other operating surplus, are obtained from the input table of the Input-Output tables. GDP is again calculated by sub-industry, just like supply either through information obtained for the sub-industries or, if no information existed, allocated by supply shares. The tourism industry ratios are then used to calculate tourism GDP. In other words, if the tourism industry ratio for a given industry is 50%, one half of the industry's GDP is allocated to tourism. This method also allows for the calculation of tourism labour income, mixed income and operating surplus associated with tourism.

11. The SHS is carried out in the territories every second year. However, this does not coincide with years in which the CTSA is compiled. Consequently, estimates from the SHS for the year prior to the TSA, in this case 2003, are projected forward using indicators from the I-O Tables.

A special calculation is made to derive GDP for the "other industries". These "other industries" (such as retail trade) are defined as non-tourism industries, or industries that do not meet the criteria for tourism industries but obtain some benefit from it. In other words, they produce some commodities bought by tourists. These commodities include groceries, alcoholic beverages from stores, pre-trip expenses, motor vehicle parts and repair and motor vehicle fuel and some other miscellaneous commodities (e.g. toiletries). I-O personal expenditure data are used to distribute these values across I-O commodities. These data are then moved into an industry framework using shares of output for these commodities. The totals are then multiplied by input shares so that the GDP components can be isolated.

Employment

Like GDP, employment is calculated at the industry level. Therefore, the employment calculation uses the same tourism industry ratios as GDP to calculate the tourism portion of each industry. Thus, if the tourism industry ratio for an industry is 50%, half of this industry's employment is allocated to tourism. This calculation is done for all tourism-related industries and then the shares are summed to arrive at total tourism employment within Canada. As mentioned before, employment data by industry come from the Canadian Productivity Accounts of the CSNA. The employment data are available only at an industry level too aggregated for the CTSA. Wages and salaries, from the GDP calculation, are used to allocate employment across the sub-industries.

Appendix C Tourism industries of the Canadian Tourism Satellite Account

North American Industry Classification System (NAICS) 2002[12]

Air transportation

- 4811 - Scheduled air transport
- 4812 - Non-scheduled air transport

Rail transportation

- 4821 - Rail transportation

Water transportation

- 4831 - Deep sea, coastal and Great Lakes water transportation
- 4832 - Inland water transportation

Bus transportation

- 4851 - Urban transit systems
- 4852 - Interurban and rural bus transportation
- 4854 - School and employee bus transportation
- 4855 - Charter bus industry
- 4859 - Other transit and group passenger transportation

Scenic and sightseeing transportation

- 4871 - Scenic and sightseeing transportation, land
- 4872 - Scenic and sightseeing transportation, water
- 4879 - Scenic and sightseeing transportation, other

Taxicabs

- 4853 - Taxi and limousine service

Vehicle rental and leasing

- 5321 - Automotive equipment rental and leasing

Hotels

- 7211 - Traveller accommodation (except 721114 - Motels and 721198 - All other traveller accommodation)

Motels

- 721114 - Motels

Camping

- 721211 - RV (recreational vehicle) parks and campgrounds

Other accommodation

- 721212 - Hunting and fishing camps
- 721213 - Recreational (except hunting and fishing) and vacation camps
- 721198 - All other traveller accommodation

12. NAICS 2002 replaces NAICS 1997 for 2002 onwards. Tourism industries were not affected by this change, which focussed on the information and technology sector.

Food and beverage services

- 7221 - Full-service restaurants
- 7222 - Limited-service eating places
- 7224 - Drinking places (alcoholic beverages)

Recreation and entertainment

- 51213 - Motion picture and video exhibition
- 7111 - Performing arts companies
- 7112 - Spectator sports
- 7115 - Independent artists, writers and performers
- 7121 - Heritage institutions
- 7131 - Amusement parks and arcades
- 7132 - Gambling industries
- 7139 - Other amusement and recreation industries

Travel services

- 5615 - Travel arrangement and reservation services

Appendix D Tourism commodities of the Canadian Tourism Satellite Account

Transportation

- Passenger air
- Passenger rail
- Passenger water
- Interurban, charter and tour bus
- Taxis
- Vehicle rental
- Vehicle repairs and parts
- Vehicle fuel

Accommodation

- Hotels
- Motels
- Camping
- Other accommodation (includes outfitters, commercial cabins and cottages)

Food and beverage services

- Meals from accommodation
- Meals from restaurants
- Alcoholic beverages from accommodation
- Alcoholic beverages from restaurants
- Meals and alcoholic beverages from other tourism industries

Other tourism commodities

- Recreation and entertainment
- Travel agency services
- Convention fees
- Pre-trip expenditures (include tents, camping goods, sleeping bags, luggage, travelsets, motor homes, trailers and semi-trailers of the caravan type for camping)

Non-tourism commodities purchased by tourists

- Groceries
- Beer, wine and liquor from stores
- Urban transit and parking
- Miscellaneous commodities (includes tobacco products, clothing, maps, and souvenirs)

Appendix E Tourism expenditure by commodity, Canada, 2004

Commodities	Domestic demand	International demand (exports)	Total demand[1]	Total domestic supply	Tourism commodity ratio[2]	Tourism spending abroad (imports)
	millions of dollars				percentage	millions of dollars
Passenger air	8,033	2,807	10,841	11,412	95.0	.
Passenger rail	135	122	257	277	93.0	.
Passenger water	141	198	340	362	93.8	.
Interurban, charter and tour bus	530	357	887	943	94.0	.
Taxis	147	84	231	1,792	12.9	.
Vehicle rental	947	508	1,456	2,147	67.8	.
Vehicle repairs and parts	1,005	94	1,099	16,013	6.9	.
Vehicle fuel	5,155	610	5,764	26,414	21.8	.
Total transportation	**16,094**	**4,780**	**20,874**	**59,359**	**35.2**	**7,719**
Hotels	3,593	2,840	6,432	7,116	90.4	.
Motels	583	672	1,255	1,327	94.5	.
Camping	360	134	494	528	93.6	.
Other accommodation	496	496	992	1,110	89.4	.
Total accommodation	**5,032**	**4,142**	**9,173**	**10,081**	**91.0**	**6,507**
Meals from accommodation	557	293	850	2,584	32.9	.
Meals from restaurants	4,191	1,862	6,053	31,857	19.0	.
Alcoholic beverages from accommodation	263	144	407	1,726	23.6	.
Alcoholic beverages from restaurants	715	458	1,173	6,517	18.0	.
Meals and alcoholic beverages from other tourism industries	297	114	411	2,110	19.5	.
Total food and beverage services	**6,024**	**2,871**	**8,895**	**44,795**	**19.9**	**4,509**
Recreation and entertainment	2,343	2,056	4,399	19,590	22.5	2,256
Travel services	2,824	185	3,009	3,029	99.4	.
Convention fees	137	55	192	210	91.4	.
Pre-trip expenses	2,205	0	2,205	2,205	100.0	.
Total other tourism commodities	**7,509**	**2,296**	**9,805**	**25,035**	**39.2**	**2,256**
Groceries	1,625	718	2,343	67,105	3.5	.
Beer, wine and liquor from stores	386	145	532	14,496	3.7	.
Urban transit and parking	145	74	219	2,434	9.0	.
Miscellaneous commodities	4,276	2,513	6,788	2,240,863	0.3	.
Total other commodities purchased by tourists	**6,432**	**3,450**	**9,881**	**2,324,898**	**0.4**	**2,764**
Total tourism expenditures	**41,091**	**17,538**	**58,629**	**2,464,167**	**2.4**	**23,755**

1. Domestic demand plus international demand.
2. Total demand divided by total domestic supply expressed in percentage terms.

Appendix F Gross domestic product and employment for tourism and non-tourism industries, Canada, 2004

Industry	Labour income	Net income of unincorporated business	Other[1]	GDP at basic prices	Number of jobs	Labour compensation per job	GDP per job	Tourism GDP ratio[2]
	millions of dollars				thousands	dollars		percentage
Tourism activities								
Total transportation	3,569	45	1,509	5,123	73.3	49,400	70,000	32.1
Air transportation	2,686	0	-23	2,663	46.8	57,500	57,000	78.4
Railway transportation	127	0	601	729	2.7	46,700	267,200	13.1
Water transportation	98	0	36	134	1.8	53,700	73,600	11.2
Bus transportation	325	5	133	463	9.6	34,300	48,100	30.8
Taxicabs	44	38	27	109	4.2	19,600	26,000	14.1
Vehicle rental	289	2	734	1,025	8.1	35,800	126,200	28.9
Total accommodation	3,720	204	1,971	5,894	161.6	24,300	36,500	65.6
Hotels	2,791	161	1,515	4,466	108.8	27,200	41,100	65.5
Motels	393	24	212	629	19.5	21,500	32,400	69.8
Camping	234	9	103	346	12.2	20,000	28,500	78.7
Other accommodation	302	10	141	453	21.1	14,800	21,500	53.6
Food and beverage services	2,462	108	464	3,035	145.3	17,700	20,900	17.0
Recreation and entertainment	1,513	123	548	2,184	68.2	24,000	32,100	20.3
Travel services	1,304	29	429	1,762	41.8	32,000	42,200	91.6
Total tourism industries	12,568	509	4,921	17,998	490.1	26,700	36,800	32.7
Other industries	3,892	207	1,811	5,910	120.5	34,100	49,100	..
Total tourism activities	16,460	716	6,732	23,908	610.6	28,200	39,200	..
Non-tourism activities								
Agriculture, forestry, fishing and hunting	8,233	4,146	12,924	25,303	409.1	30,300	61,900	..
Mining and oil and gas extraction	13,978	181	71,210	85,369	166.2	85,300	513,800	..
Utilities	7,701	9	21,410	29,120	106.8	72,300	272,800	..
Construction	45,361	8,291	14,315	67,968	1,010.8	53,100	67,300	..
Manufacturing	105,863	440	78,216	184,520	1,946.9	54,700	94,800	..
Wholesale trade	40,114	887	22,223	63,224	854.4	48,000	74,000	..
Retail trade	44,924	3,670	15,592	64,187	1,848.3	26,300	34,800	..
Transportation and warehousing	29,277	2,401	13,195	44,873	672.3	47,200	66,800	..
Information and cultural industries	19,461	212	21,716	41,388	389.0	50,600	106,400	..
Finance, insurance, real estate and leasing	58,579	36,224	126,820	221,623	1,025.9	92,500	216,100	..
Professional, scientific and technical services	38,120	7,585	8,383	54,088	917.5	49,900	59,000	..
Administrative and support, waste management and remediation services	19,390	2,097	5,681	27,168	703.2	30,600	38,700	..
Educational services	1,456	799	239	2,494	91.8	24,600	27,200	..
Health care and social assistance	13,313	13,586	3,878	30,777	556.8	48,400	55,300	..
Other industries[3]	195,018	2,883	37,310	235,211	4,879.7	40,600	48,300	..
Total non-tourism activities	640,788	83,411	453,113	1,177,313	15,578.6	46,500	75,600	..
Total economy	**657,249**	**84,212**	**459,846**	**1,201,306**	**16,189.2**	**45,800**	**74,300**	..
of which: Business sector	**494,894**	**84,212**	**432,149**	**1,011,254**	**13,077.3**	**44,300**	**77,400**	..

1. Includes other operating surplus, other taxes on production (excluding taxes on products) and other subsidies on production.
2. Percentage of an industry's gross domestic product that comes from satisfying tourism demand. An industry's gross domestic product is a broad variable as it also includes freight activities.
3. Including government and non-profit institutions.

Glossary

Basic price A basic price valuation includes the costs of production factors (labour and capital) and taxes and subsidies on production factors. See modified basic price.

Benchmark Values which are obtained from higher quality observations and serve as standards for gauging values that are obtained from less reliable sources. For example, annual GDP values derived from comprehensive annual surveys or censuses within the balanced framework of the input-output accounts are benchmarks for the monthly GDP indicators which are typically based on observations collected by sample monthly surveys.

Census A census refers to the collection of information about characteristics of interest from all units in a population.

Commodity See products.

Disposition The disposition of a good or service is the sum of its intermediate use (by all sectors) and its final use as personal expenditure, fixed capital formation (by all sectors), current government expenditure, exports and net additions to inventories. When valued at basic prices, total disposition or demand is equal to supply.

Economic production Economic production is an activity carried out under the control and responsibility of an institutional unit that uses inputs of labour, capital, and goods and services to produce outputs of goods or services.

Economic territory The economic territory of a country encompasses the geographic territory, plus the air space, territorial waters and continental shelf, as well as its territorial enclaves abroad (embassies, consulates, military bases, etc.).

Employment Employment is the number of all employee and self-employment jobs in an industry. It should be noted that a job that exists for only part of the year (for example 4 months) counts as only a fraction of a job (1/3 of a job) for the year. It should also be noted that a part-time job at 10 hours a week counts as much as a full-time job at 50 hours a week; each is one job.

Establishment An establishment is the most homogeneous unit of production for which the business maintains accounting records from which it is possible to assemble all the data elements required to compile the full structure of the gross value of production (total sales or shipments, and inventories), the cost of materials and services, and labour and capital used in production.

Exports (interprovincial and international) Exports are receipts from other provinces and territories or from abroad for sales of merchandise or services.

Factor cost A valuation reflecting the cost of production factors (labour and capital). It corresponds to the value remaining after the deduction from market prices of all applicable taxes and subsidies.

Final domestic demand The sum of personal expenditure on consumer goods and services, net government current expenditure on goods and services, government gross fixed capital formation and business gross fixed capital formation.

Gross domestic product (GDP) The total unduplicated value of the goods and services produced in the economic territory of a country or region during a given period. GDP can be measured three ways: as total incomes earned in current production (income approach), as total final sales of current production (expenditure approach), or as total net values added in current production (value added approach). It can be valued either at basic prices or at market prices.

GDP - expenditure based Expenditure based GDP is total final sales of current production or final expenditures at purchasers' prices (including the FOB value of exports of goods and services less the FOB value of imports of goods and services).

GDP - income based Income based GDP is compensation of employees, plus taxes less subsidies on products and imports, plus gross mixed income, plus gross operating surplus.

GDP at basic prices GDP at basic prices is GDP at market prices minus taxes less subsidies on products. GDP at basic prices is also equal to the traditional value at factor cost plus taxes less subsidies on the factors of production (labour and capital).

GDP at factor cost An industry's GDP at factor cost equals the sum of its factor incomes, i.e., the sum of wages and salaries, supplementary labour income, mixed income and other operating surplus.

GDP at market prices GDP at market prices equals GDP at basic prices plus taxes less subsidies on products. It is also equal to expenditure based GDP.

GDP by industry GDP of an industry (also referred to as value added) equals output by the industry minus the value of intermediate inputs that were purchased from other industries, domestic or foreign. Value added is a measure of how much an industry has contributed to the value of its output over and above the value of intermediate inputs. GDP by industry for the economy as a whole is the sum of values added by all industries resident in Canada.

GDP by industry at basic prices When evaluated at basic prices, an industry's GDP is the sum of its factor incomes (wages and salaries, supplementary labour income, mixed income and other operating surplus) plus taxes on production less subsidies on production.

GDP by industry at market prices An industry's GDP at market prices equals its GDP at basic prices plus taxes on products less subsidies on products.

Gross fixed capital formation Gross fixed capital formation is the value of a producer's acquisitions, less disposals, of fixed assets during the accounting period plus certain additions to the value of non-produced assets (such as subsoil assets or major improvements in the quantity, quality or productivity of land) realized by the productive activity of institutional units.

I-O accounts See input-output accounts.

Imports (interprovincial and international) Imports are payments for goods and services originating from abroad or from other provinces or territories. Imports are valued C.I.F. (cost, insurance and freight included) including customs duties at the border of the exporting country or province or territory.

Industry An industry is a group of establishments engaged in the same or a similar kind of economic activity.

Input-output accounts The Input-output (I-O) accounts are made up of several parts: the input-output tables (consisting of input, output and final demand tables) for the national economy as well as provinces and territories, the inter-provincial trade flow tables, the impact tables, and a number of supplementary tables for margins such as retail trade margins, wholesale trade margins, transport and tax margins.

Input-output tables Input-output tables are part of the production accounts of the SNEA. They show the production of goods and services, the generation of income from the production process and the flows of goods and services through the economic system between producers and consumers. The transactors involved in the production process are individuals (persons or households), establishments (production units of businesses and governments), non-business entities such as non-profit institutions, and governments.

Intermediate consumption Intermediate consumption consists of the value of the goods and services consumed as inputs by a process of production, excluding fixed assets whose consumption is recorded as consumption of fixed capital; the goods or services may be either transformed or used up by the production process.

International traveller The term "international traveller" applies to all persons arriving in Canada who are cleared through Customs points of entry, whether travelling for business, pleasure or other reasons. The term "international traveller" is divided into three groups: non-resident traveller, resident traveller and other traveller.

Labour Force Survey (LFS) Monthly household survey of individuals which provides demographic data on the employed and the unemployed, such as age, sex, family relationship, marital status, occupation and industry as well as data on the characteristics and past work experience of those not currently in the labour force. Compare with Survey of Employment, Payroll and Hours (SEPH) .

Labour income Total earnings of employees, consisting of wages and salaries as well as supplementary labour income (such as employer's contributions to pension funds, employee welfare funds, the Unemployment Insurance Fund and Workmen's Compensation Funds).

Margins The additional cost elements that make up the difference between modified basic prices and purchasers' prices are called margins. Seven margins are distinguished in the input-output accounts: retail margins, wholesale margins, tax margins, transport margins, gas margins, storage margins, and pipeline margins.

Market prices A valuation expressed in terms of the prices actually paid by the purchaser, that is, after all applicable taxes and subsidies. See factor cost.

Mixed income Mixed income is a balancing item in the industry accounts of input-output accounts representing the return to both self-employed labour and capital of the unincorporated business. Mixed Income consists of earnings of proprietors of unincorporated businesses (sole proprietorships and partnerships) such as retailers and consultants, earnings of independent professional practitioners such as lawyers and dentists, net (after expenses) rental income of owners of real property and the accrued net farm income of farm operators.

Modified basic price The modified basic price for a good or service is its selling price at the boundary of the producing establishment excluding sales and excise taxes levied after the final stage of production. This price includes subsidies, in the sense that it is not adjusted for subsidies received by the producer. Modified basic price is the most easily observable transaction price. It equals the purchaser price less transport, trade and tax margins involved in delivering the product to the purchaser. Industry production (output) and intermediate consumption (inputs) are measured in modified basic price in Canadian input-output accounts. This contrasts with valuation at basic prices recommended by SNA 1993 which requires that the sale price described above is adjusted for subsidies.

North American Industry Classification System (NAICS) The North American Industry Classification System (NAICS) is an industrial classification system used to group producers into industries on the basis of similarities in their production processes. Developed jointly by Canada, Mexico and the United States in 1997, NAICS provides a common framework of classification which places industrial statistics compiled by the three countries on a comparable basis.

Operating surplus Operating surplus is a balancing item in the industry accounts of input-output accounts. For business industries, it represents the return to capital of incorporated business. It consists of gross profits (including bad debts and charitable contributions) of corporations and government business enterprises (GBE's) before income taxes, including capital consumption allowances (corporate and unincorporated sectors), miscellaneous investment income, dividend paid net of dividend received, interest paid net of interest received, and inventory valuation adjustment (an adjustment for changes in the value of non-farm inventories due to price changes). Holding gains and losses, such as realized capital gains on asset sales, are excluded from operating surplus.

Output Output consists of those goods and services that are produced within an establishment that become available for use outside that establishment, plus any goods and services produced for own final use.

Person-trip A Person-trip for non-residents begins each time a non-resident traveller enters Canada. The person-trip concludes when the traveller leaves Canada. For residents, each time a person departs from their usual environment, a person-trip begins. It ends when the traveller returns to their usual environment.

Personal expenditure on consumer goods and services Household spending on new consumer goods and on consumer services, plus any mark-up on used goods. Operating expenses of associations of individuals serving households are also included, under consumer services.

Pre-trip expenditures See Tourism single purpose consumer durables.

Producer price A valuation of goods and services that includes the price received by the producer for delivery at the boundary of the establishment (if domestically produced) or cost-insurance-and-freight (CIF, if imported from abroad) at the Canadian border excluding margins such as transport, trade, or applicable taxes or fees, but including import duties.

Products Products, also called goods and services, are the result of production. They are exchanged and used for various purposes: as inputs in the production of other goods and services, as final consumption or for investment.

Production boundary The boundary of production includes (a) the production of all individual or collective goods or services that are supplied to units other than their producers, or intended to be supplied, including the production of goods or services used up in the process of producing such goods or services, (b) the own-account production of all goods that are retained by their producers for their own final consumption or capital formation, and (c) the own-account production of housing services by owner-occupiers and of domestic and personal services produced by paid domestic staff, and (d) the own-account production of software.

Production factors In general, there are two production factors: labour and capital. Their use, when combined, result in economic production.

Purchaser's price The purchaser's price is the amount paid by the purchaser, excluding any deductible value added tax (VAT) or similar deductible tax, in order to take delivery of a unit of a good or service at the time and the place required by the purchaser; the purchaser's price of a good includes any transport charges paid separately by the purchaser to take delivery at the required time and place.

Satellite account An accounting system that follows the basic principles of the System of National Economic Accounts but also expands the analytical capacity for selected areas of economic or social concern, without overburdening or disrupting the central system. Satellite accounts are linked with the central framework of the national accounts and through them to the main body of integrated economic statistics

Subsidies on production Subsidies are current payments to enterprises made by governments (domestic or foreign) without reciprocation. Subsidies on production are paid to enterprises for engaging in prescribed activities. Examples include work-force subsidies paid on the basis of employment or training of certain persons, or on the basis of pollution abatement.

Supplementary labour income Supplementary Labour Income are expenditures by employers on their labour account which are regarded as compensation of employees. They include contributions to employment insurance, private and public pension plan contributions, and (beginning in 1990) retirement allowances.

Supply The supply of a good or service is the sum of the values of its domestic output (from all sectors), plus imports, plus net withdrawals from inventories during an accounting period. When measured in modified basic prices, the supply of a good or service is by definition equal to its demand or disposition (in modified basic prices) during the same accounting period.

Survey of Employment, Payrolls and Hours (SEPH) A monthly establishment based sample survey, designed to measure the levels and month-to-month changes of payroll employment (number of employees), paid hours and earnings. These measures are compiled by industry and are classified by geographic location. Compare with Labour Force Survey.

System of National Economic Accounts (SNEA) The System of National Economic Accounts (SNEA) consists of a coherent, consistent and integrated set of macroeconomic accounts, balance sheets and tables based on a set of internationally agreed concepts, definitions, classifications and accounting rules. In its broad outline, the Canadian System of National Economic Accounts (CSNEA) bears a close relationship to the international standard as described in the United Nations publication: System of National Accounts 1993.

Tax margin A tax margin is the total of taxes on products applicable to the intermediate or final use of a particular good or service. A tax margin is estimated for each good and service used by each industry and by each category of final demand, showing the total amount of taxes on products paid on the purchase of the good or service. The total tax margin for an industry, or for a final demand category, is the total of such margins paid on all goods and services consumed.

Taxes on production These are taxes that are paid by business and non-business entities, including persons, that are not linked to any productive activity. Taxes on production are levied by all three levels of government. Examples of federal taxes include capital taxes levied against corporate entities, Canada Deposit Insurance Corporation premiums, and Canadian Dairy Commission levies. Provincial taxes include (personal and commercial) motor vehicle license fees, land transfer taxes, and capital taxes. Local taxes include real property taxes, developers lot levies, and deed transfer taxes.

Taxes on products This is the sum of taxes levied on goods and services beyond the producers' price valuation level. They are paid by business and non-business industries on their current purchases and by final users such as households on all their expenditures. Examples include the Goods and Services Tax (GST), the Harmonized Sales Tax (HST), provincial sales taxes, federal excise taxes, import duties, and fuel taxes. Unlike taxes on production, these taxes are levied on quantities or values of goods and services produced or purchased in the economy. These taxes are part of tax margins in input-output accounts. Together with trade and transport margins, these taxes account for the difference between producers' prices and purchasers' prices valuations of goods and services.

Total economy The total economy consists of all resident institutional units in the economic territory of Canada. Alternatively, it consists of all transactors in all resident sectors, namely the business sector, the government sector, and the personal sector.

Tourism The definition of tourism adapted from the World Tourism Organization and the United Nations Statistical Commission is : "the activities of persons travelling to and staying in places outside their usual environment for not more than one consecutive year for leisure, business and other purposes."

Tourism commodity Tourism commodity is one for which a significant part of its total demand in Canada comes from visitors or if it represents a significant expense category within visitors' budgets.

Tourism commodity ratio The ratio of demand to supply for a given tourism commodity. It measures the proportion of a tourism commodity that is actually purchased by tourists It also provides the means to convert data classified by commodity into data classified by industry.

Tourism demand Tourism demand is defined as the spending of Canadian and non-resident visitors on domestically produced commodities. It is the sum of tourism domestic demand and tourism exports.

Tourism domestic demand Tourism domestic demand is the spending in Canada by Canadian visitors on domestically produced commodities.

Tourism domestic supply Domestic supply of tourism commodities is defined as the total production in Canada of the tourism commodities which are mainly produced by tourism industries. Not all of domestic supply is purchased by visitors, so that supply exceeds tourism demand. For example, visitors purchase only a small proportion of food and beverage services, with most going to local consumption. Also, supply does not include imports. For example the sale of a ticket on a non-Canadian airline is excluded from supply.

Tourism employment Tourism employment is a measure of employment in tourism and non-tourism industries. It is based on an estimate of jobs rather than "hours of work". Thus, someone who works 10 hours a week counts for as much, by this measure, as someone who works 50 hours a week.

Tourism exports Tourism exports is spending by foreign visitors on Canadian-produced goods and services. It includes spending that may take place outside of Canada, for instance, the purchase of an airline ticket from a Canadian international carrier, to travel to Canada.

Tourism GDP The total unduplicated value of production, within the boundaries of a region, of goods and services purchased by tourists. In the CTSA, GDP is calculated at basic prices and includes only direct GDP. GDP is also generated indirectly in the upstream production chain of a good or service. Although these indirect effects can be linked to tourism, they are not included in GDP

Tourism GDP ratio This ratio is calculated by taking the tourism GDP and comparing it to the total GDP of the industry (i.e., tourism GDP + non-tourism GDP). It measures how much of the production of a certain industry is attributable to tourism.

Tourism imports Tourism imports is spending on foreign-produced goods and services by Canadian tourists while travelling outside Canada.

Tourism industry Tourism dndustry is an industry which as a direct result of the absence of tourism would cease to exist or would continue to exist only at significantly reduced levels of activity. Some industries may be affected by the absence of tourism but not directly, for example the absence of tourism would greatly affect the air transportation industry and thus indirectly the catering industry.

Tourism industry ratio The ratio of the tourism demand for all tourism commodities produced by a given industry to its output of those commodities. This ratio is used for internal calculations in the compilation of the CTSA at the detailed (unpublished) level. It is used specifically in the calculation, by industry, of GDP and employment that is attributable to tourism.

Tourism Satellite Account Tourism Satellite Account is an accounting framework, based on the System of National Accounts, that serves to define tourism and is used to compile and integrate statistics on tourism, to measure its importance to the economy, and to facilitate its comparison with other industries within the economy.

Tourism single purpose consumer durables (pre-trip expenditures) In the CTSA, five single-purpose consumer goods used chiefly for travel (motor homes, travel and tent trailers, luggage and travel sets, tents and camping equipment and sleeping bags) are included, irrespective of when they are bought.

Usual environment The definition of usual environment of the World Tourism Organization and the United Nations Statistical Commission: "corresponds to the geographical boundaries within which an individual displaces himself/herself within his/her regular routine of life." For operational purposes, before reference year 2005, Canada defined this concept of "usual environment" as within 80 kilometers one way from home. However, crossing an international border is considered going outside the usual environment, no matter the distance travelled.

Visitors Visitors are persons who undertake tourism as defined above. They are referred to as either tourists (those who stay overnight or longer in the place visited), or same-day visitors. In Canada, "tourist" is used to denote all visitors, whether they are same-day or overnight visitors.

Wages and salaries Wages and salaries consist of monetary compensation and payments-in-kind (e.g., board and lodging), to wage earners and salaried persons employed in private, public and non-profit institutions in Canada including domestic servants and baby-sitters. Other forms of compensation included here are commissions, bonuses, tips, directors' fees, taxable allowances, and the values of stock options of corporations. bonuses, commissions and retroactive wages are recorded in the period paid rather than earned. Wages and salaries are recorded on a gross basis, before deductions for taxes, employees' contributions to employment insurance, and private and public pension plans.

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